



**CONESTOGA-ROVERS
& ASSOCIATES**

14496 Sheldon Road, Suite 200, Plymouth, MI 48170
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July 20, 2011

Reference No. 017303

Mr. Luther Blackburn
YCUA Industrial Pretreatment Program Supervisor
Ypsilanti Community Utilities Authority
2777 State Road
Ypsilanti, MI 48198-9112

Dear Mr. Blackburn:

Re: Quarterly/Semi-Annual Self-Monitoring Report
Industrial User Permit #RA 6-12
RACER Trust
Company Vehicle Operations Area (CVO)
2901 Tyler Road
Ypsilanti, Michigan

Pursuant to requirements of Industrial User Permit # RA 6-12 (Permit) Part 3 A, the permittee is required to submit self-monitoring reports by the 20th of every month following the reporting period specified in Appendix A of the Permit. Conestoga-Rovers & Associates (CRA) has prepared this self-monitoring report on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust.

This self-monitoring report summarizes the discharge information for the 2011 second quarter (April through June) and first semi-annual (January through June) periods. The Permit was issued on June 14, 2011; therefore, only June 2011 data is available.

Attachment A presents a summary of the analytical and flow data for samples collected on June 6th and 20th, 2011. For clarification, the June 6th sampling event was completed pre-permit approval. The water was treated and containerized, then discharged once the permit was approved. The laboratory reports, including chains of custody are provided in Attachment B.

Should you have any questions, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Beth Landale, PE
Project Manager

AB/bw/2/Det.

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FBI
ISO 9001
ENGINEERING DESIGN



**CONESTOGA-ROVERS
& ASSOCIATES**

July 20, 2011

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Reference No. 017303

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A handwritten signature in blue ink that reads 'David Favero'.

David Favero
Michigan Deputy Cleanup Manager
Revitalizing Auto Communities Environmental Response Trust

Encl.

cc: Grant Trigger, RACER
David Favero, RACER
Matthew Lamb, CRA

ATTACHMENT A

**YPSILANTI COMMUNITY UTILITIES AUTHORITY
INDUSTRIAL USER PERMIT SELF MONITORING REPORT
REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST**

Facility :	Company Vehicle Operations Area	Reporting Period	
Permit No.:	RA 6- 12	Year	2011
Sample Point:	Post Treatment and Prior to discharge into MH6	Quarter	II
		Semi-Annual	I

Sample Date					6/6/2011	6/20/2011
Sample Location					Effluent	MH-6
Sample ID					WW-17303-060611-CB-003	WW-17303-062011-CB-001/ WW-17303-062011-CB-002 (duplicate)
Parameter	Upper Limit (mg/l)	Monitoring Frequency	Reporting Frequency	Sample Type		
Flow (GAL)	Report	Once/Discharge	Monthly/Quarterly*	Metered	2,251	16,516
1,2-Dichloroethane	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U/0.001 U
Trichloroethene	0.50	Monthly	Quarterly	Grab	0.001 U	0.001 U/0.001 U
Vinyl Chloride	0.20	Monthly	Quarterly	Grab	0.001 U	0.001 U/0.001 U
Polychlorinated Biphenyls	<0.0002**	Monthly	Quarterly	24-Hour Time proportionated Composite***	0.00010 U	0.000096 U / 0.000095 U
pH	≥ 5.0 and ≤ 11.0	Semi-Annual	Semi-Annual	Grab	-	7.17 / 7.17
Benzene	0.50	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
Carbon Tetrachloride	0.50	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
Chlorobenzene	100.00	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
Chloroform	6.00	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
1,4-Dichlorobenzene	7.50	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
1,1-Dichloroethene	0.70	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
Methyl Ethyl Ketone	200.00	Semi-Annual	Semi-Annual	Grab	0.0089 J	0.00051 J/ 0.001 U
Tetrachloroethene	0.70	Semi-Annual	Semi-Annual	Grab	0.001 U	0.001 U/0.001 U
Total Phenolics	1.00	Semi-Annual	Semi-Annual	Grab	-	0.17 B / 0.014 J B
Chemical Oxygen Demand	600.00	Semi-Annual	Semi-Annual	24-Hour Time proportionated Composite***	-	13 J / 20

Notes

* As established in Part 4, Section B - Special Conditions: The permittee is required to report the total volume of process discharges to Outfall 001 by the 5th of every month for the previous calendar month. The permittee shall additionally report a summary of individual discharges during the reporting quarter. The quarterly summary shall accompany the permittee's monitoring report submittal.

** Any discharge at or above the level of detection shall be a specific violation of the Permit. For PCB analysis, the sampling and analytical protocol for compliance shall be in accordance with EPA Method 608 employing a detection level of 0.0002 mg/L unless a higher detection limit is appropriate due to sample matrix interference.

***PCBs and COD are not 24 hour composites but time proportionated composites while the system is treating and discharging.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - Lab qualified as estimated

B - Lab qualified as possible method blank contamination

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-792-1

Client Project/Site: RACER CVO

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

06/08/2011 03:27:08 PM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Job ID: 240-792-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: RACER CVO

Report Number: 240-792-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/07/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: WW-17303-060611-CB-001 (240-792-1), WW-17303-060611-CB-002 (240-792-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Trans-1,2-Dichloroethene was detected in the sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified with an E flag.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

GC Semi VOA

No analytical or quality issues were noted.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-792-1	WW-17303-060611-CB-001	Water	06/06/11 11:40	06/07/11 09:00
240-792-2	WW-17303-060611-CB-002	Water	06/06/11 15:50	06/07/11 09:00
240-792-3	WW-17303-060611-CB-003	Water	06/06/11 15:45	06/07/11 09:00
240-792-4	TB-17303-060611-CB-004	Water	06/06/11 00:00	06/07/11 09:00

Samples -001 and -002 are not effluent samples and were therefore removed from this submittal to avoid confusion.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: WW-17303-060611-CB-003

Lab Sample ID: 240-792-3

Date Collected: 06/06/11 15:45

Matrix: Water

Date Received: 06/07/11 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			06/07/11 15:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 15:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			06/07/11 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/07/11 15:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			06/07/11 15:47	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/07/11 15:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			06/07/11 15:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			06/07/11 15:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			06/07/11 15:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			06/07/11 15:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 15:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			06/07/11 15:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			06/07/11 15:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			06/07/11 15:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			06/07/11 15:47	1
2-Butanone (MEK)	8.9	J	10	1.3	ug/L			06/07/11 15:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			06/07/11 15:47	1
Acetone	8.6	J	10	3.0	ug/L			06/07/11 15:47	1
Benzene	1.0	U	1.0	0.41	ug/L			06/07/11 15:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			06/07/11 15:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			06/07/11 15:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			06/07/11 15:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			06/07/11 15:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			06/07/11 15:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			06/07/11 15:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			06/07/11 15:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/07/11 15:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			06/07/11 15:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			06/07/11 15:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			06/07/11 15:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			06/07/11 15:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			06/07/11 15:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			06/07/11 15:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			06/07/11 15:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			06/07/11 15:47	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			06/07/11 15:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			06/07/11 15:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			06/07/11 15:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			06/07/11 15:47	1
Styrene	1.0	U	1.0	0.73	ug/L			06/07/11 15:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			06/07/11 15:47	1
Toluene	1.0	U	1.0	0.51	ug/L			06/07/11 15:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			06/07/11 15:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			06/07/11 15:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			06/07/11 15:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			06/07/11 15:47	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			06/07/11 15:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			06/07/11 15:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		06/07/11 15:47	1

TestAmerica North Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WW-17303-060611-CB-003

Date Collected: 06/06/11 15:45

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-3

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		71 - 126		06/07/11 15:47	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/07/11 15:47	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-17303-060611-CB-004

Lab Sample ID: 240-792-4

Date Collected: 06/06/11 00:00

Matrix: Water

Date Received: 06/07/11 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			06/07/11 16:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 16:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			06/07/11 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/07/11 16:10	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			06/07/11 16:10	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/07/11 16:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			06/07/11 16:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			06/07/11 16:10	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			06/07/11 16:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			06/07/11 16:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 16:10	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			06/07/11 16:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			06/07/11 16:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			06/07/11 16:10	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			06/07/11 16:10	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			06/07/11 16:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			06/07/11 16:10	1
Acetone	10	U	10	3.0	ug/L			06/07/11 16:10	1
Benzene	1.0	U	1.0	0.41	ug/L			06/07/11 16:10	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			06/07/11 16:10	1
Bromoform	1.0	U	1.0	0.26	ug/L			06/07/11 16:10	1
Bromomethane	1.0	U	1.0	0.69	ug/L			06/07/11 16:10	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			06/07/11 16:10	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			06/07/11 16:10	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			06/07/11 16:10	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			06/07/11 16:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/07/11 16:10	1
Chloroform	1.0	U	1.0	0.34	ug/L			06/07/11 16:10	1
Chloromethane	1.0	U	1.0	0.35	ug/L			06/07/11 16:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			06/07/11 16:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			06/07/11 16:10	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			06/07/11 16:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			06/07/11 16:10	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			06/07/11 16:10	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			06/07/11 16:10	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			06/07/11 16:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			06/07/11 16:10	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			06/07/11 16:10	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			06/07/11 16:10	1
Styrene	1.0	U	1.0	0.73	ug/L			06/07/11 16:10	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			06/07/11 16:10	1
Toluene	1.0	U	1.0	0.51	ug/L			06/07/11 16:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			06/07/11 16:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			06/07/11 16:10	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			06/07/11 16:10	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			06/07/11 16:10	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			06/07/11 16:10	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			06/07/11 16:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		06/07/11 16:10	1

TestAmerica North Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-17303-060611-CB-004

Date Collected: 06/06/11 00:00

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-4

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 126		06/07/11 16:10	1
4-Bromofluorobenzene (Surr)	97		73 - 120		06/07/11 16:10	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: WW-17303-060611-CB-003

Lab Sample ID: 240-792-3

Date Collected: 06/06/11 15:45

Matrix: Water

Date Received: 06/07/11 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.10	0.039	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1221	0.10	U	0.10	0.039	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1232	0.10	U	0.10	0.039	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1242	0.10	U	0.10	0.039	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1248	0.10	U	0.10	0.039	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1254	0.10	U	0.10	0.032	ug/L		06/07/11 12:14	06/07/11 17:58	1
PCB-1260	0.10	U	0.10	0.032	ug/L		06/07/11 12:14	06/07/11 17:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		25 - 152	06/07/11 12:14	06/07/11 17:58	1
DCB Decachlorobiphenyl	65		26 - 145	06/07/11 12:14	06/07/11 17:58	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

GC/MS VOA

Analysis Batch: 18910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-18910/3	Lab Control Sample	Total/NA	Water	8260B	
MB 480-18910/4	Method Blank	Total/NA	Water	8260B	
240-792-1	WW-17303-060611-CB-001	Total/NA	Water	8260B	
240-792-2	WW-17303-060611-CB-002	Total/NA	Water	8260B	
240-792-3	WW-17303-060611-CB-003	Total/NA	Water	8260B	
240-792-4	TB-17303-060611-CB-004	Total/NA	Water	8260B	

Analysis Batch: 19038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-19038/3	Lab Control Sample	Total/NA	Water	8260B	
MB 480-19038/4	Method Blank	Total/NA	Water	8260B	
240-792-2 - DL	WW-17303-060611-CB-002	Total/NA	Water	8260B	
240-792-1 - DL	WW-17303-060611-CB-001	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 18959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18959/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-18959/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-18959/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
240-792-1	WW-17303-060611-CB-001	Total/NA	Water	3510C	
240-792-2	WW-17303-060611-CB-002	Total/NA	Water	3510C	
240-792-3	WW-17303-060611-CB-003	Total/NA	Water	3510C	

Analysis Batch: 18976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18959/1-A	Method Blank	Total/NA	Water	8082	18959
LCS 480-18959/2-A	Lab Control Sample	Total/NA	Water	8082	18959
LCSD 480-18959/3-A	Lab Control Sample Dup	Total/NA	Water	8082	18959
240-792-1	WW-17303-060611-CB-001	Total/NA	Water	8082	18959
240-792-2	WW-17303-060611-CB-002	Total/NA	Water	8082	18959
240-792-3	WW-17303-060611-CB-003	Total/NA	Water	8082	18959

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-18910/4

Matrix: Water

Analysis Batch: 18910

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			06/07/11 11:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 11:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			06/07/11 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/07/11 11:42	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			06/07/11 11:42	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/07/11 11:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			06/07/11 11:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			06/07/11 11:42	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			06/07/11 11:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			06/07/11 11:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 11:42	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			06/07/11 11:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			06/07/11 11:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			06/07/11 11:42	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			06/07/11 11:42	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			06/07/11 11:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			06/07/11 11:42	1
Acetone	10	U	10	3.0	ug/L			06/07/11 11:42	1
Benzene	1.0	U	1.0	0.41	ug/L			06/07/11 11:42	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			06/07/11 11:42	1
Bromoform	1.0	U	1.0	0.26	ug/L			06/07/11 11:42	1
Bromomethane	1.0	U	1.0	0.69	ug/L			06/07/11 11:42	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			06/07/11 11:42	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			06/07/11 11:42	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			06/07/11 11:42	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			06/07/11 11:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/07/11 11:42	1
Chloroform	1.0	U	1.0	0.34	ug/L			06/07/11 11:42	1
Chloromethane	1.0	U	1.0	0.35	ug/L			06/07/11 11:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			06/07/11 11:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			06/07/11 11:42	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			06/07/11 11:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			06/07/11 11:42	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			06/07/11 11:42	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			06/07/11 11:42	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			06/07/11 11:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			06/07/11 11:42	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			06/07/11 11:42	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			06/07/11 11:42	1
Styrene	1.0	U	1.0	0.73	ug/L			06/07/11 11:42	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			06/07/11 11:42	1
Toluene	1.0	U	1.0	0.51	ug/L			06/07/11 11:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			06/07/11 11:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			06/07/11 11:42	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			06/07/11 11:42	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			06/07/11 11:42	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			06/07/11 11:42	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			06/07/11 11:42	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-18910/4

Matrix: Water

Analysis Batch: 18910

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		06/07/11 11:42	1
Toluene-d8 (Surr)	107		71 - 126		06/07/11 11:42	1
4-Bromofluorobenzene (Surr)	97		73 - 120		06/07/11 11:42	1

Lab Sample ID: LCS 480-18910/3

Matrix: Water

Analysis Batch: 18910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 126
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2		ug/L		113	60 - 140
1,1-Dichloroethane	25.0	23.7		ug/L		95	71 - 129
1,1-Dichloroethene	25.0	23.5		ug/L		94	65 - 138
1,2,4-Trichlorobenzene	25.0	22.5		ug/L		90	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.1		ug/L		92	56 - 134
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	77 - 120
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 127
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	75 - 120
2-Hexanone	125	134		ug/L		107	65 - 127
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	21.7		ug/L		87	66 - 128
Bromomethane	25.0	20.9		ug/L		84	36 - 150
Carbon disulfide	25.0	28.9		ug/L		116	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	23.0		ug/L		92	72 - 120
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	21.6		ug/L		86	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	22.6		ug/L		90	49 - 142
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	28.6		ug/L		114	70 - 130
Dichlorodifluoromethane	25.0	20.2		ug/L		81	33 - 157
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	25.0	27.0		ug/L		108	60 - 140
Methyl tert-butyl ether	25.0	25.5		ug/L		102	64 - 127
Methylcyclohexane	25.0	27.8		ug/L		111	60 - 140
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	23.3		ug/L		93	70 - 130

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-18910/3

Matrix: Water

Analysis Batch: 18910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	22.8		ug/L		91	70 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	23.1		ug/L		92	72 - 123
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	24.4		ug/L		98	62 - 152
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133
Xylenes, Total	75.0	68.1		ug/L		91	76 - 122

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120

Lab Sample ID: MB 480-19038/4

Matrix: Water

Analysis Batch: 19038

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			06/07/11 23:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 23:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			06/07/11 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/07/11 23:12	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			06/07/11 23:12	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			06/07/11 23:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			06/07/11 23:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			06/07/11 23:12	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			06/07/11 23:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			06/07/11 23:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			06/07/11 23:12	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			06/07/11 23:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			06/07/11 23:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			06/07/11 23:12	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			06/07/11 23:12	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			06/07/11 23:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			06/07/11 23:12	1
Acetone	10	U	10	3.0	ug/L			06/07/11 23:12	1
Benzene	1.0	U	1.0	0.41	ug/L			06/07/11 23:12	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			06/07/11 23:12	1
Bromoform	1.0	U	1.0	0.26	ug/L			06/07/11 23:12	1
Bromomethane	1.0	U	1.0	0.69	ug/L			06/07/11 23:12	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			06/07/11 23:12	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			06/07/11 23:12	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			06/07/11 23:12	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			06/07/11 23:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/07/11 23:12	1
Chloroform	1.0	U	1.0	0.34	ug/L			06/07/11 23:12	1
Chloromethane	1.0	U	1.0	0.35	ug/L			06/07/11 23:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			06/07/11 23:12	1

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-19038/4

Matrix: Water

Analysis Batch: 19038

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			06/07/11 23:12	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			06/07/11 23:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			06/07/11 23:12	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			06/07/11 23:12	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			06/07/11 23:12	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			06/07/11 23:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			06/07/11 23:12	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			06/07/11 23:12	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			06/07/11 23:12	1
Styrene	1.0	U	1.0	0.73	ug/L			06/07/11 23:12	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			06/07/11 23:12	1
Toluene	1.0	U	1.0	0.51	ug/L			06/07/11 23:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			06/07/11 23:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			06/07/11 23:12	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			06/07/11 23:12	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			06/07/11 23:12	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			06/07/11 23:12	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			06/07/11 23:12	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		06/07/11 23:12	1
Toluene-d8 (Surr)	102		71 - 126		06/07/11 23:12	1
4-Bromofluorobenzene (Surr)	92		73 - 120		06/07/11 23:12	1

Lab Sample ID: LCS 480-19038/3

Matrix: Water

Analysis Batch: 19038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 126
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	60 - 140
1,1-Dichloroethane	25.0	22.4		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	22.0		ug/L		88	65 - 138
1,2,4-Trichlorobenzene	25.0	22.5		ug/L		90	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	77 - 120
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 127
1,2-Dichloropropane	25.0	27.8		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	75 - 120
2-Hexanone	125	128		ug/L		103	65 - 127
2-Butanone (MEK)	125	122		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		88	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	21.8		ug/L		87	71 - 124
Bromodichloromethane	25.0	30.1		ug/L		120	80 - 122

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-19038/3

Matrix: Water

Analysis Batch: 19038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromoform	25.0	20.7		ug/L		83	66 - 128
Bromomethane	25.0	27.3		ug/L		109	36 - 150
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	29.0		ug/L		116	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	72 - 120
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Chloroethane	25.0	30.9		ug/L		124	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	22.6		ug/L		90	49 - 142
cis-1,2-Dichloroethene	25.0	22.4		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	28.0		ug/L		112	74 - 124
Cyclohexane	25.0	25.0		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	17.4		ug/L		70	33 - 157
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
Methyl acetate	25.0	24.8		ug/L		99	60 - 140
Methyl tert-butyl ether	25.0	24.0		ug/L		96	64 - 127
Methylcyclohexane	25.0	28.8		ug/L		115	60 - 140
Methylene Chloride	25.0	21.9		ug/L		88	57 - 132
Styrene	25.0	23.4		ug/L		94	70 - 130
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	19.6		ug/L		78	70 - 122
trans-1,2-Dichloroethene	25.0	22.0		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	20.3		ug/L		81	72 - 123
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	26.0		ug/L		104	62 - 152
Vinyl chloride	25.0	23.6		ug/L		94	65 - 133
Xylenes, Total	75.0	68.6		ug/L		91	76 - 122

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-18959/1-A

Matrix: Water

Analysis Batch: 18976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.10	0.038	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1221	0.10	U	0.10	0.038	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1232	0.10	U	0.10	0.038	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1242	0.10	U	0.10	0.038	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1248	0.10	U	0.10	0.038	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1254	0.10	U	0.10	0.031	ug/L		06/07/11 12:14	06/07/11 16:39	1
PCB-1260	0.10	U	0.10	0.031	ug/L		06/07/11 12:14	06/07/11 16:39	1

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 480-18959/1-A

Matrix: Water

Analysis Batch: 18976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18959

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	68		25 - 152	06/07/11 12:14	06/07/11 16:39	1
DCB Decachlorobiphenyl	74		26 - 145	06/07/11 12:14	06/07/11 16:39	1

Lab Sample ID: LCS 480-18959/2-A

Matrix: Water

Analysis Batch: 18976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
							Limits	
PCB-1016	1.00	0.835		ug/L		84	51 - 179	
PCB-1260	1.00	0.773		ug/L		77	51 - 179	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	64		25 - 152
DCB Decachlorobiphenyl	81		26 - 145

Lab Sample ID: LCSD 480-18959/3-A

Matrix: Water

Analysis Batch: 18976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18959

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits		RPD Limit	
							Limits		RPD	Limit
PCB-1016	1.00	0.879		ug/L		88	51 - 179		5	50
PCB-1260	1.00	0.812		ug/L		81	51 - 179		5	50

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	76		25 - 152
DCB Decachlorobiphenyl	83		26 - 145

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
240-792-1	WW-17303-060611-CB-001	106	106	97
240-792-1 - DL	WW-17303-060611-CB-001	97	103	95
240-792-2	WW-17303-060611-CB-002	106	107	98
240-792-2 - DL	WW-17303-060611-CB-002	108	101	94
240-792-3	WW-17303-060611-CB-003	106	106	99
240-792-4	TB-17303-060611-CB-004	109	105	97
LCS 480-18910/3	Lab Control Sample	105	106	99
LCS 480-19038/3	Lab Control Sample	108	91	97
MB 480-18910/4	Method Blank	105	107	97
MB 480-19038/4	Method Blank	100	102	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (25-152)	DCB1 (26-145)
240-792-1	WW-17303-060611-CB-001	57	39
240-792-2	WW-17303-060611-CB-002	57	49
240-792-3	WW-17303-060611-CB-003	70	65
LCS 480-18959/2-A	Lab Control Sample	64	81
LCSD 480-18959/3-A	Lab Control Sample Dup	76	83
MB 480-18959/1-A	Method Blank	68	74

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Client Sample ID: WW-17303-060611-CB-001

Date Collected: 06/06/11 11:40

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	18910	06/07/11 15:01	ND	TAL BUF
Total/NA	Analysis	8260B	DL	400	19038	06/08/11 08:10	LH	TAL BUF
Total/NA	Prep	3510C			18959	06/07/11 12:14	KV	TAL BUF
Total/NA	Analysis	8082		1	18976	06/07/11 17:26	JM	TAL BUF

Client Sample ID: WW-17303-060611-CB-002

Date Collected: 06/06/11 15:50

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	18910	06/07/11 15:24	ND	TAL BUF
Total/NA	Analysis	8260B	DL	200	19038	06/08/11 00:28	LH	TAL BUF
Total/NA	Prep	3510C			18959	06/07/11 12:14	KV	TAL BUF
Total/NA	Analysis	8082		1	18976	06/07/11 17:42	JM	TAL BUF

Client Sample ID: WW-17303-060611-CB-003

Date Collected: 06/06/11 15:45

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	18910	06/07/11 15:47	ND	TAL BUF
Total/NA	Prep	3510C			18959	06/07/11 12:14	KV	TAL BUF
Total/NA	Analysis	8082		1	18976	06/07/11 17:58	JM	TAL BUF

Client Sample ID: TB-17303-060611-CB-004

Date Collected: 06/06/11 00:00

Date Received: 06/07/11 09:00

Lab Sample ID: 240-792-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	18910	06/07/11 16:10	ND	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: RACER CVO

TestAmerica Job ID: 240-792-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP	0	ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA	0	P330-08-00123
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA	0	P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Required Client Information:

Company: CRA, Inc.	Report To: <u>Paul Wiskerman/CRA</u>
Address: 14496 Sheldon Rd.	Copy To: <u>Paul Wiskerman/CRA</u>
Suite 200	Invoice To:
Plymouth, MI 48170	P.O.:
Phone: 734-451-5123	Project Name: <u>CV0</u>
Fax: 734-451-5201	Project Number: <u>17303</u>
Email: <u>paul.wiskerman@cra.com</u>	

PAGE 1 OF 1

Laboratory: <u>TestAmerica</u>
Laboratory Location: <u>Amherst, NY</u>
Laboratory Contact: <u>Dennis Harker</u>
Requested Due Date: <u>TAT: 1-day</u>
QA/QC Requirements: <u>as per 550W</u>

ID# **Nº D 7335**

550W Ref Code
17303-T02-006

Analysis and Method

Sample Identification:	Matrix Code	Time Collected	# Containers	Preservative	Time	DATE	RECEIVED BY / AFFILIATION	DATE	TIME	REMARKS/Lab ID
1. <u>WA-17303-Q00611-CB-001</u>	<u>WB</u>	<u>1140</u>	<u>5</u>	<u>3</u>	<u>1140</u>	<u>6/6/11</u>	<u>C. Brady</u>	<u>060611</u>	<u>0750</u>	<u>TLVOCs</u>
2. <u>-002</u>	<u>WB</u>	<u>1550</u>	<u>5</u>	<u>3</u>	<u>1550</u>	<u>6/6/11</u>	<u>C. Brady</u>	<u>060611</u>	<u>0750</u>	<u>TLVOCs</u>
3. <u>-003</u>	<u>WB</u>	<u>1545</u>	<u>5</u>	<u>3</u>	<u>1545</u>	<u>6/6/11</u>	<u>C. Brady</u>	<u>060611</u>	<u>0750</u>	<u>TLVOCs</u>
4. <u>TR -</u>	<u>WB</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>-</u>	<u>6/6/11</u>	<u>C. Brady</u>	<u>060611</u>	<u>0750</u>	<u>TLVOCs</u>
5. <u>-004</u>	<u>WB</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>-</u>	<u>6/6/11</u>	<u>C. Brady</u>	<u>060611</u>	<u>0750</u>	<u>TLVOCs</u>
6. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
7. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
8. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
9. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
10. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
11. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
12. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
13. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
14. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
15. <u>-</u>	<u>WB</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

TOTAL NUMBER OF CONTAINERS: 16

SHIPMENT METHOD: <u>FedEx</u>	NO. OF COOLERS: <u>1</u>	RELINQUISHED BY / AFFILIATION: <u>C. Brady / CRA</u>
AIRBILL NO:		

Sample Condition

Temp in °C	<u>3.1</u>
Received on Ice	<u>Y/N</u>
Sealed Cooler	<u>Y/N</u>
Samples Intact	<u>Y/N</u>

Additional Comments: BATCH COMPLETE

Signature: C. Brady

Sampler Signature: C. Brady

Date: 6/6/11

Distribution

WHITE - Fully Executed Copy

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampler Copy

REF: 010104

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-792-1

Login Number: 792

List Source: TestAmerica North Canton

List Number: 1

Creator: McFadden, John

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.1
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-792-1

Login Number: 792

List Source: TestAmerica Buffalo

List Number: 1

List Creation: 06/07/11 11:45 AM

Creator: Kinecki, Kenneth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-792-1

Login Number: 792

List Source: TestAmerica Buffalo

List Number: 2

List Creation: 06/07/11 11:46 AM

Creator: Kinecki, Kenneth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-1284-1

Client Project/Site: 17303, RACER CVO, T02-007

For:

Conestoga-Rovers & Associates, Inc.

14496 Sheldon Road, Suite 200

Plymouth, Michigan 48170

Attn: Mr. Paul Wiseman



Authorized for release by:

07/12/2011 09:07:30 AM

Denise Heckler

Project Manager II

denise.heckler@testamericainc.com

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Job ID: 240-1284-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17303, RACER CVO, T02-007

Report Number: 240-1284-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 06/21/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.7 and 3.8C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples WW-17303-062011-CB-001 (240-1284-1), WW-17303-062011-CB-002 (240-1284-2) and TB-17303-062011-CB-005 (240-1284-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 06/28/2011.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples WW-17303-062011-CB-001 (240-1284-1) and WW-17303-062011-CB-002 (240-1284-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 06/22/2011 and analyzed on 06/30/2011.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for MB 240-5633/4-A. DCB Decachlorobiphenyl failed the surrogate recovery criteria high for WW-17303-062011-CB-001MS (240-1284-1MS).

TestAmerica North Canton

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Job ID: 240-1284-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

PH (CORROSIVITY)

Samples WW-17303-062011-CB-001 (240-1284-1) and WW-17303-062011-CB-002 (240-1284-2) were analyzed for pH (corrosivity) in accordance with EPA Method 150.1. The samples were analyzed on 06/21/2011.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

PHENOLS

Samples WW-17303-062011-CB-001 (240-1284-1) and WW-17303-062011-CB-002 (240-1284-2) were analyzed for phenols in accordance with EPA Method 420.1. The samples were prepared and analyzed on 06/27/2011.

Phenols, Total was detected in method blank LB 240-6223/17-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the phenol analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples WW-17303-062011-CB-001 (240-1284-1) and WW-17303-062011-CB-002 (240-1284-2) were analyzed for chemical oxygen demand in accordance with SM5220D. The samples were prepared and analyzed on 06/29/2011.

No difficulties were encountered during the chemical oxygen demand analyses.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-1284-1	WW-17303-062011-CB-001	Water	06/20/11 09:00	06/21/11 09:40
240-1284-2	WW-17303-062011-CB-002	Water	06/20/11 09:15	06/21/11 09:40
240-1284-3	TB-17303-062011-CB-005	Water	06/20/11 00:00	06/21/11 09:40

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Client Sample ID: WW-17303-062011-CB-001

Lab Sample ID: 240-1284-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.51	J	1.0	0.11	ug/L	1		624	Total/NA
pH	7.17		0.100	0.100	SU	1		150.1	Total/NA
Phenols, Total	0.17	B	0.040	0.0073	mg/L	1		420.1	Total/NA
Chemical Oxygen Demand	13	J	20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: WW-17303-062011-CB-002

Lab Sample ID: 240-1284-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.17		0.100	0.100	SU	1		150.1	Total/NA
Phenols, Total	0.014	J B	0.040	0.0073	mg/L	1		420.1	Total/NA
Chemical Oxygen Demand	20		20	10	mg/L	1		SM 5220D	Total/NA

Client Sample ID: TB-17303-062011-CB-005

Lab Sample ID: 240-1284-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J B	10	0.22	ug/L	1		624	Total/NA

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL NC
608	Polychlorinated Biphenyls (PCBs) (GC)	40CFR136A	TAL NC
150.1	pH (Electrometric)	MCAWW	TAL NC
420.1	Phenolics, Total Recoverable	MCAWW	TAL NC
SM 5220D	COD	SM	TAL NC

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WW-17303-062011-CB-001

Date Collected: 06/20/11 09:00

Date Received: 06/21/11 09:40

Lab Sample ID: 240-1284-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.026	ug/L			06/28/11 22:30	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			06/28/11 22:30	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			06/28/11 22:30	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			06/28/11 22:30	1
Chloroform	1.0	U	1.0	0.032	ug/L			06/28/11 22:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			06/28/11 22:30	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			06/28/11 22:30	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			06/28/11 22:30	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			06/28/11 22:30	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			06/28/11 22:30	1
2-Butanone (MEK)	0.51	J	1.0	0.11	ug/L			06/28/11 22:30	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		81 - 112					06/28/11 22:30	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 125					06/28/11 22:30	1
Toluene-d8 (Surr)	102		84 - 110					06/28/11 22:30	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: WW-17303-062011-CB-002

Date Collected: 06/20/11 09:15

Date Received: 06/21/11 09:40

Lab Sample ID: 240-1284-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.026	ug/L			06/28/11 22:54	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			06/28/11 22:54	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			06/28/11 22:54	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			06/28/11 22:54	1
Chloroform	1.0	U	1.0	0.032	ug/L			06/28/11 22:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			06/28/11 22:54	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			06/28/11 22:54	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			06/28/11 22:54	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			06/28/11 22:54	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			06/28/11 22:54	1
2-Butanone (MEK)	1.0	U	1.0	0.11	ug/L			06/28/11 22:54	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		81 - 112					06/28/11 22:54	1
1,2-Dichloroethane-d4 (Surr)	95		80 - 125					06/28/11 22:54	1
Toluene-d8 (Surr)	104		84 - 110					06/28/11 22:54	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-17303-062011-CB-005

Lab Sample ID: 240-1284-3

Date Collected: 06/20/11 00:00

Matrix: Water

Date Received: 06/21/11 09:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.044	ug/L			06/28/11 23:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.036	ug/L			06/28/11 23:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.056	ug/L			06/28/11 23:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.054	ug/L			06/28/11 23:19	1
1,1-Dichloroethane	1.0	U	1.0	0.030	ug/L			06/28/11 23:19	1
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			06/28/11 23:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.030	ug/L			06/28/11 23:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.13	ug/L			06/28/11 23:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			06/28/11 23:19	1
1,2-Dichloropropane	1.0	U	1.0	0.036	ug/L			06/28/11 23:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.028	ug/L			06/28/11 23:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
2-Hexanone	10	U	10	0.082	ug/L			06/28/11 23:19	1
Acetone	2.4	J B	10	0.22	ug/L			06/28/11 23:19	1
m-Xylene & p-Xylene	1.0	U	1.0	0.048	ug/L			06/28/11 23:19	1
o-Xylene	1.0	U	1.0	0.028	ug/L			06/28/11 23:19	1
Benzene	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
Bromoform	1.0	U	1.0	0.13	ug/L			06/28/11 23:19	1
Bromomethane	1.0	U	1.0	0.082	ug/L			06/28/11 23:19	1
Carbon disulfide	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			06/28/11 23:19	1
Chloroethane	1.0	U	1.0	0.058	ug/L			06/28/11 23:19	1
Chloroform	1.0	U	1.0	0.032	ug/L			06/28/11 23:19	1
Chloromethane	1.0	U	1.0	0.060	ug/L			06/28/11 23:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.034	ug/L			06/28/11 23:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.028	ug/L			06/28/11 23:19	1
Cyclohexane	1.0	U	1.0	0.024	ug/L			06/28/11 23:19	1
Bromodichloromethane	1.0	U	1.0	0.030	ug/L			06/28/11 23:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.062	ug/L			06/28/11 23:19	1
Ethylbenzene	1.0	U	1.0	0.034	ug/L			06/28/11 23:19	1
1,2-Dibromoethane	1.0	U	1.0	0.048	ug/L			06/28/11 23:19	1
Isopropylbenzene	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
Methyl acetate	1.0	U	1.0	0.076	ug/L			06/28/11 23:19	1
2-Butanone (MEK)	10	U	10	0.11	ug/L			06/28/11 23:19	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.064	ug/L			06/28/11 23:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.034	ug/L			06/28/11 23:19	1
Methylene Chloride	1.0	U	1.0	0.066	ug/L			06/28/11 23:19	1
Styrene	1.0	U	1.0	0.022	ug/L			06/28/11 23:19	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			06/28/11 23:19	1
Toluene	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.038	ug/L			06/28/11 23:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.038	ug/L			06/28/11 23:19	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			06/28/11 23:19	1
Trichlorofluoromethane	1.0	U	1.0	0.042	ug/L			06/28/11 23:19	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			06/28/11 23:19	1
Xylenes, Total	3.0	U	3.0	0.056	ug/L			06/28/11 23:19	1
Methylcyclohexane	1.0	U	1.0	0.026	ug/L			06/28/11 23:19	1

TestAmerica North Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-17303-062011-CB-005

Date Collected: 06/20/11 00:00

Date Received: 06/21/11 09:40

Lab Sample ID: 240-1284-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.036	ug/L			06/28/11 23:19	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 125					06/28/11 23:19	1
4-Bromofluorobenzene (Surr)	88		81 - 112					06/28/11 23:19	1
Toluene-d8 (Surr)	101		84 - 110					06/28/11 23:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: WW-17303-062011-CB-001

Lab Sample ID: 240-1284-1

Date Collected: 06/20/11 09:00

Matrix: Water

Date Received: 06/21/11 09:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.096	U	0.096	0.065	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1221	0.096	U	0.096	0.050	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1232	0.096	U	0.096	0.062	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1242	0.096	U	0.096	0.085	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1248	0.096	U	0.096	0.038	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1254	0.096	U	0.096	0.062	ug/L		06/22/11 09:45	06/30/11 22:51	1
Aroclor 1260	0.096	U	0.096	0.065	ug/L		06/22/11 09:45	06/30/11 22:51	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		10 - 114				06/22/11 09:45	06/30/11 22:51	1
Tetrachloro-m-xylene	102		15 - 131				06/22/11 09:45	06/30/11 22:51	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Client Sample ID: WW-17303-062011-CB-002

Lab Sample ID: 240-1284-2

Date Collected: 06/20/11 09:15

Matrix: Water

Date Received: 06/21/11 09:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.095	U	0.095	0.065	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1221	0.095	U	0.095	0.050	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1232	0.095	U	0.095	0.061	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1242	0.095	U	0.095	0.084	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1248	0.095	U	0.095	0.038	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1254	0.095	U	0.095	0.061	ug/L		06/22/11 09:45	06/30/11 23:20	1
Aroclor 1260	0.095	U	0.095	0.065	ug/L		06/22/11 09:45	06/30/11 23:20	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		10 - 114				06/22/11 09:45	06/30/11 23:20	1
Tetrachloro-m-xylene	106		15 - 131				06/22/11 09:45	06/30/11 23:20	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

General Chemistry

Client Sample ID: WW-17303-062011-CB-001

Date Collected: 06/20/11 09:00

Date Received: 06/21/11 09:40

Lab Sample ID: 240-1284-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.17		0.100	0.100	SU			06/21/11 13:35	1
Phenols, Total	0.17	B	0.040	0.0073	mg/L		06/27/11 10:45	06/27/11 14:42	1
Chemical Oxygen Demand	13	J	20	10	mg/L		06/29/11 13:13	06/29/11 15:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

General Chemistry

Client Sample ID: WW-17303-062011-CB-002

Date Collected: 06/20/11 09:15

Date Received: 06/21/11 09:40

Lab Sample ID: 240-1284-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.17		0.100	0.100	SU			06/21/11 13:35	1
Phenols, Total	0.014	J B	0.040	0.0073	mg/L		06/27/11 10:45	06/27/11 14:45	1
Chemical Oxygen Demand	20		20	10	mg/L		06/29/11 13:13	06/29/11 15:43	1

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

GC/MS VOA

Analysis Batch: 6457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-6457/4	Method Blank	Total/NA	Water	624	
LCS 240-6457/5	Lab Control Sample	Total/NA	Water	624	
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	624	
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	624	
240-1284-3	TB-17303-062011-CB-005	Total/NA	Water	624	
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	624	
240-1284-1 MSD	WW-17303-062011-CB-001	Total/NA	Water	624	

GC Semi VOA

Prep Batch: 5633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	608	
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	608	
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	608	
MB 240-5633/4-A	Method Blank	Total/NA	Water	608	
LCS 240-5633/5-A	Lab Control Sample	Total/NA	Water	608	

Analysis Batch: 6772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	608	5633
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	608	5633
MB 240-5633/4-A	Method Blank	Total/NA	Water	608	5633
LCS 240-5633/5-A	Lab Control Sample	Total/NA	Water	608	5633

Analysis Batch: 6833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	608	5633

General Chemistry

Analysis Batch: 5528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-5528/3	Lab Control Sample	Total/NA	Water	150.1	
240-1284-1 DU	WW-17303-062011-CB-001	Total/NA	Water	150.1	
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	150.1	
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	150.1	

Prep Batch: 6223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-6223/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 240-6223/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
LB 240-6223/17-A LB	Method Blank	Total/NA	Water	Distill/Phenol	
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	Distill/Phenol	
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	Distill/Phenol	
240-1284-1 MSD	WW-17303-062011-CB-001	Total/NA	Water	Distill/Phenol	
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	Distill/Phenol	

Analysis Batch: 6264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-6223/1-A	Method Blank	Total/NA	Water	420.1	6223
LCS 240-6223/2-A	Lab Control Sample	Total/NA	Water	420.1	6223

TestAmerica North Canton

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

General Chemistry (Continued)

Analysis Batch: 6264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 240-6223/17-A LB	Method Blank	Total/NA	Water	420.1	6223
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	420.1	6223
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	420.1	6223
240-1284-1 MSD	WW-17303-062011-CB-001	Total/NA	Water	420.1	6223
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	420.1	6223

Prep Batch: 6592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-6592/3-A	Method Blank	Total/NA	Water	SM 5220	
LCS 240-6592/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	SM 5220	
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	SM 5220	
240-1284-1 MSD	WW-17303-062011-CB-001	Total/NA	Water	SM 5220	
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	SM 5220	

Analysis Batch: 6594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-6592/3-A	Method Blank	Total/NA	Water	SM 5220D	6592
LCS 240-6592/4-A	Lab Control Sample	Total/NA	Water	SM 5220D	6592
240-1284-1	WW-17303-062011-CB-001	Total/NA	Water	SM 5220D	6592
240-1284-1 MS	WW-17303-062011-CB-001	Total/NA	Water	SM 5220D	6592
240-1284-1 MSD	WW-17303-062011-CB-001	Total/NA	Water	SM 5220D	6592
240-1284-2	WW-17303-062011-CB-002	Total/NA	Water	SM 5220D	6592

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-6457/4

Matrix: Water

Analysis Batch: 6457

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.038	ug/L			06/28/11 18:47	1
1,2-Dichloroethane	1.0	U	1.0	0.044	ug/L			06/28/11 18:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.026	ug/L			06/28/11 18:47	1
Benzene	1.0	U	1.0	0.026	ug/L			06/28/11 18:47	1
Carbon tetrachloride	1.0	U	1.0	0.026	ug/L			06/28/11 18:47	1
Chlorobenzene	1.0	U	1.0	0.030	ug/L			06/28/11 18:47	1
Chloroform	1.0	U	1.0	0.032	ug/L			06/28/11 18:47	1
2-Butanone (MEK)	1.0	U	1.0	0.11	ug/L			06/28/11 18:47	1
Tetrachloroethene	1.0	U	1.0	0.058	ug/L			06/28/11 18:47	1
Trichloroethene	1.0	U	1.0	0.034	ug/L			06/28/11 18:47	1
Vinyl chloride	1.0	U	1.0	0.044	ug/L			06/28/11 18:47	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 125		06/28/11 18:47	1
4-Bromofluorobenzene (Surr)	90		81 - 112		06/28/11 18:47	1
Toluene-d8 (Surr)	100		84 - 110		06/28/11 18:47	1

Lab Sample ID: LCS 240-6457/5

Matrix: Water

Analysis Batch: 6457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethene	20.0	21.2		ug/L		106	10 - 234
1,2-Dichloroethane	20.0	19.4		ug/L		97	49 - 155
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	18 - 190
Benzene	20.0	20.2		ug/L		101	37 - 151
Carbon tetrachloride	20.0	23.0		ug/L		115	70 - 140
Chlorobenzene	20.0	20.4		ug/L		102	37 - 160
Chloroform	20.0	19.6		ug/L		98	51 - 138
2-Butanone (MEK)	40.0	45.7		ug/L		114	
Tetrachloroethene	20.0	19.0		ug/L		95	64 - 148
Trichloroethene	20.0	18.4		ug/L		92	71 - 157
Vinyl chloride	20.0	19.5		ug/L		98	10 - 251

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	92		81 - 112
Toluene-d8 (Surr)	101		84 - 110

Lab Sample ID: 240-1284-1 MS

Matrix: Water

Analysis Batch: 6457

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	1.0	U	20.0	19.9		ug/L		100	90 - 114
Vinyl chloride	1.0	U	20.0	18.5		ug/L		93	50 - 119
Carbon tetrachloride	1.0	U	20.0	16.1		ug/L		81	61 - 129
Chlorobenzene	1.0	U	20.0	19.7		ug/L		99	90 - 113
Chloroform	1.0	U	20.0	19.2		ug/L		96	90 - 118

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-1284-1 MS

Matrix: Water

Analysis Batch: 6457

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
1,4-Dichlorobenzene	1.0	U	20.0	19.4		ug/L		97	90 - 112	
1,1-Dichloroethene	1.0	U	20.0	20.4		ug/L		102	83 - 129	
1,2-Dichloroethane	1.0	U	20.0	19.0		ug/L		95	90 - 123	
Tetrachloroethene	1.0	U	20.0	18.3		ug/L		92	81 - 112	
Trichloroethene	1.0	U	20.0	18.7		ug/L		94	85 - 114	

Surrogate	MS	MS	Limits
% Recovery	Qualifier		
4-Bromofluorobenzene (Surr)	92		81 - 112
1,2-Dichloroethane-d4 (Surr)	99		80 - 125
Toluene-d8 (Surr)	103		84 - 110

Lab Sample ID: 240-1284-1 MSD

Matrix: Water

Analysis Batch: 6457

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	1.0	U	20.0	19.9		ug/L		100	90 - 114		0	30
Vinyl chloride	1.0	U	20.0	18.8		ug/L		94	50 - 119		2	30
Carbon tetrachloride	1.0	U	20.0	16.8		ug/L		84	61 - 129		4	30
Chlorobenzene	1.0	U	20.0	20.1		ug/L		101	90 - 113		2	30
Chloroform	1.0	U	20.0	19.5		ug/L		98	90 - 118		2	30
1,4-Dichlorobenzene	1.0	U	20.0	21.0		ug/L		105	90 - 112		8	30
1,1-Dichloroethene	1.0	U	20.0	21.5		ug/L		108	83 - 129		5	30
1,2-Dichloroethane	1.0	U	20.0	19.3		ug/L		97	90 - 123		2	30
Tetrachloroethene	1.0	U	20.0	19.0		ug/L		95	81 - 112		4	30
Trichloroethene	1.0	U	20.0	17.9		ug/L		90	85 - 114		4	30

Surrogate	MSD	MSD	Limits
% Recovery	Qualifier		
4-Bromofluorobenzene (Surr)	94		81 - 112
1,2-Dichloroethane-d4 (Surr)	99		80 - 125
Toluene-d8 (Surr)	101		84 - 110

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 240-5633/4-A

Matrix: Water

Analysis Batch: 6772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5633

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	0.10	U	0.10	0.068	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1221	0.10	U	0.10	0.052	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1232	0.10	U	0.10	0.064	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1242	0.10	U	0.10	0.088	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1248	0.10	U	0.10	0.040	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1254	0.10	U	0.10	0.064	ug/L		06/22/11 09:45	06/30/11 23:35	1
Aroclor 1260	0.10	U	0.10	0.068	ug/L		06/22/11 09:45	06/30/11 23:35	1

TestAmerica North Canton

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 240-5633/4-A

Matrix: Water

Analysis Batch: 6772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5633

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
% Recovery	Qualifier					
DCB Decachlorobiphenyl	124	X	10 - 114	06/22/11 09:45	06/30/11 23:35	1
Tetrachloro-m-xylene	98		15 - 131	06/22/11 09:45	06/30/11 23:35	1

Lab Sample ID: LCS 240-5633/5-A

Matrix: Water

Analysis Batch: 6772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5633

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
Added	Result	Qualifier					Limits
Aroclor 1016	10.0	10.6		ug/L		106	50 - 114
Aroclor 1260	10.0	10.5		ug/L		105	8 - 127

Surrogate	LCS	LCS	Limits
% Recovery	Qualifier		
DCB Decachlorobiphenyl	109		10 - 114
Tetrachloro-m-xylene	106		15 - 131

Lab Sample ID: 240-1284-1 MS

Matrix: Water

Analysis Batch: 6833

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Prep Batch: 5633

Surrogate	MS	MS	Limits
% Recovery	Qualifier		
DCB Decachlorobiphenyl	122	X	10 - 114
Tetrachloro-m-xylene	124		15 - 131

Method: 150.1 - pH (Electrometric)

Lab Sample ID: LCS 240-5528/3

Matrix: Water

Analysis Batch: 5528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
Added	Result	Qualifier					Limits
pH	6.46	6.430		SU		100	97 - 103

Lab Sample ID: 240-1284-1 DU

Matrix: Water

Analysis Batch: 5528

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
Result	Qualifier		Result	Qualifier			Limit	
pH	7.17		7.170		SU		0	20

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: LB 240-6223/17-A LB

Matrix: Water

Analysis Batch: 6264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6223

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Phenols, Total	0.00948	J	0.040	0.0073	mg/L		06/27/11 10:45	06/27/11 14:42	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 420.1 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: MB 240-6223/1-A

Matrix: Water

Analysis Batch: 6264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.040	U	0.040	0.0073	mg/L		06/27/11 10:45	06/27/11 14:42	1

Lab Sample ID: LCS 240-6223/2-A

Matrix: Water

Analysis Batch: 6264

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenols, Total	1.04	1.09		mg/L		105	54 - 137

Lab Sample ID: 240-1284-1 MS

Matrix: Water

Analysis Batch: 6264

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Prep Batch: 6223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenols, Total	0.17	B	0.100	0.274		mg/L		101	10 - 155

Lab Sample ID: 240-1284-1 MSD

Matrix: Water

Analysis Batch: 6264

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Prep Batch: 6223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Phenols, Total	0.17	B	0.100	0.315		mg/L		143	10 - 155	14	20

Method: SM 5220D - COD

Lab Sample ID: MB 240-6592/3-A

Matrix: Water

Analysis Batch: 6594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	20	U	20	10	mg/L		06/29/11 13:13	06/29/11 15:31	1

Lab Sample ID: LCS 240-6592/4-A

Matrix: Water

Analysis Batch: 6594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chemical Oxygen Demand	134	140		mg/L		105	90 - 110

Lab Sample ID: 240-1284-1 MS

Matrix: Water

Analysis Batch: 6594

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Prep Batch: 6592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chemical Oxygen Demand	13	J	111	122		mg/L		98	90 - 110

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: SM 5220D - COD (Continued)

Lab Sample ID: 240-1284-1 MSD

Matrix: Water

Analysis Batch: 6594

Client Sample ID: WW-17303-062011-CB-001

Prep Type: Total/NA

Prep Batch: 6592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	13	J	111	125		mg/L	—	101	90 - 110	2	20

Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (81-112)	12DCE (80-125)	TOL (84-110)
240-1284-1	WW-17303-062011-CB-001	87	98	102
240-1284-1 MS	WW-17303-062011-CB-001	92	99	103
240-1284-1 MSD	WW-17303-062011-CB-001	94	99	101
240-1284-2	WW-17303-062011-CB-002	95	95	104
240-1284-3	TB-17303-062011-CB-005	88	104	101
LCS 240-6457/5	Lab Control Sample	92	94	101
MB 240-6457/4	Method Blank	90	98	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-114)	TCX1 (15-131)
240-1284-1	WW-17303-062011-CB-001	99	102
240-1284-1 MS	WW-17303-062011-CB-001	122 X	124
240-1284-2	WW-17303-062011-CB-002	90	106
LCS 240-5633/5-A	Lab Control Sample	109	106
MB 240-5633/4-A	Method Blank	124 X	98

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Client Sample ID: WW-17303-062011-CB-001

Lab Sample ID: 240-1284-1

Date Collected: 06/20/11 09:00

Matrix: Water

Date Received: 06/21/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	6457	06/28/11 22:30	TL	TAL NC
Total/NA	Prep	608			5633	06/22/11 09:45	CC	TAL NC
Total/NA	Analysis	608		1	6772	06/30/11 22:51	LH	TAL NC
Total/NA	Analysis	150.1		1	5528	06/21/11 13:35	JM	TAL NC
Total/NA	Prep	Distill/Phenol			6223	06/27/11 10:45	JK	TAL NC
Total/NA	Analysis	420.1		1	6264	06/27/11 14:42	JK	TAL NC
Total/NA	Prep	SM 5220			6592	06/29/11 13:13	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	6594	06/29/11 15:33	TH	TAL NC

Client Sample ID: WW-17303-062011-CB-002

Lab Sample ID: 240-1284-2

Date Collected: 06/20/11 09:15

Matrix: Water

Date Received: 06/21/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	6457	06/28/11 22:54	TL	TAL NC
Total/NA	Prep	608			5633	06/22/11 09:45	CC	TAL NC
Total/NA	Analysis	608		1	6772	06/30/11 23:20	LH	TAL NC
Total/NA	Analysis	150.1		1	5528	06/21/11 13:35	JM	TAL NC
Total/NA	Prep	Distill/Phenol			6223	06/27/11 10:45	JK	TAL NC
Total/NA	Analysis	420.1		1	6264	06/27/11 14:45	JK	TAL NC
Total/NA	Prep	SM 5220			6592	06/29/11 13:13	TH	TAL NC
Total/NA	Analysis	SM 5220D		1	6594	06/29/11 15:43	TH	TAL NC

Client Sample ID: TB-17303-062011-CB-005

Lab Sample ID: 240-1284-3

Date Collected: 06/20/11 00:00

Matrix: Water

Date Received: 06/21/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	6457	06/28/11 23:19	TL	TAL NC

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 17303, RACER CVO, T02-007

TestAmerica Job ID: 240-1284-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-08-00123
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 2 OF 3

Required Client Information:

Company:	CRA, Inc.	Report To:	Paul Wiseman/CRA
Address:	14496 Sheldon Rd.	Copy To:	Behl Lardale/CRA
	Suite 200	Invoice To:	
	Plymouth, MI 48170	P.O.:	
Phone:	734-453-5123	Project Name:	CVO
Fax:	734-453-5201	Project Number:	07303
Email:	paul.wiseman@crawworld.com		

Laboratory:	Test America
Laboratory Location:	North Canton, OH
Laboratory Contact:	Daniala Hudak
Requested Due Date:	TAT: Std.
QA/QC Requirements:	as per SOW

ID # **Nº D 4516**

SSOW Ref. Code:
17303-T02-007

Analysis and Method

Sample Identification:	Matrix Code	Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Preservative				VOC List 2	PCB	Total Phenolics	TLVOC	Remarks/Lab ID
												H2O	Acetic	Formic	None					
1. WW-17303-062011-CB-001	WW		6/20/11	900	9		9													
2. WW-17303-062011-CB-002	WW		6/20/11	915	7	2	3	2												
3. TB-17303-062011-CB-005	WWQ		6/20/11	—	1		1													
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				
11.																				
12.																				
13.																				
14.																				
15.																				

TOTAL NUMBER OF CONTAINERS **17**

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FedEx	2	C. Bondy / CRA	6/20/11	1630	JL Miller / TA NC	6/21/11	0840
AIRBILL NO.	9756 5795 7037						

Sample Condition

Temp in °C	Y/N
Received on Ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Additional Comments:

Sampler Name:	C. Bondy
Sampler Signature:	<i>C. Bondy</i>
Date:	6/20/11

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampler Copy REV 01/04/04



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Required Client Information:

Company: CRA, Inc.	Report To: Paul Wiseman / CRA
Address: 1496 Sheldon Rd.	Copy To: Beth Landale / CRA
Suite 200	Invoice To:
Plymouth, MI 48170	P.O.:
Phone: 734-453-5123	Project Name: CVO
Fax: 734-453-5201	Project Number: 017303
Email: paul.wiseman@crausa.com	

Laboratory: Test America
Laboratory Location: North Canton, OH
Laboratory Contact: Denise Hecker
Requested Due Date: TAT: 5hnd
QA/QC Requirements: AS per SSOW

ID # No D 6054

SSOW Ref. Code: 17303 - T02 - C07

Analysis and Method

Email: pw@semane.crawford.com		Sample Identification:		Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes		Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Preservative										PCB		Total Phenolics		COD		pH		Remarks/Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1. WW-17303-062011-CB-001		WW		6/20/11		900		12		6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
INDEX	2	L. Bondy / CRA	6/20/11	1630	J. K. [Signature]	6/20/11	0940
AIRBILL NO.	8756 575 7097						

Sample Condition		Temp in °C		Received on Ice		Sealed/Cooler		Samples Intact	
				Y/N		Y/N		Y/N	

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Lot Number: _____

Client CRA Project CVP By: GLM
Cooler Received on 6/21/11 Opened on 6/21/11 (Signature)
FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # _____ Multiple Coolers ☒ Foam Box ☐ Client Cooler ☐ Other _____
1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
If YES, Quantity _____ Quantity Unsalvageable _____
Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
Were custody seals on the bottle(s)? Yes ☐ No ☒
If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps ☒
METHOD: IR ☒ Other ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☐
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample
Receiving to meet recommended pH level(s). Nitric Acid Lot# 100110-HNO₃; Sulfuric Acid Lot# 110410-H₂SO₄; Sodium
Hydroxide Lot# 100108 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-
(CH₃COO)₂Zn/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
001	2226262 2262	6/21/11	GL
002	2262 62		

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-1284-1

Login Number: 1284

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8/1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	